

AChE/MAO-IN-2

Chemical Properties

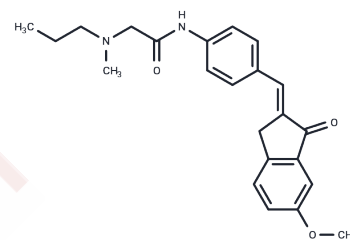
CAS No. :

Formula: C₂₃H₂₆N₂O₃

Molecular Weight: 378.46

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dual AChE-MAO B-IN-5, an indanone derivative, serves as an effective dual inhibitor for AChE and MAO-B, displaying IC ₅₀ values of 0.0224 μM for AChE, 0.0412 μM for MAO-B, and 0.1116 μM for MAO-A. Additionally, it exhibits antioxidant properties and inhibits β-amyloid plaque aggregation, making it suitable for Alzheimer's disease (AD) research.
Targets(IC ₅₀)	Others,Cholinesterase (ChE),Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6423 mL	13.2114 mL	26.4229 mL
5 mM	0.5285 mL	2.6423 mL	5.2846 mL
10 mM	0.2642 mL	1.3211 mL	2.6423 mL
50 mM	0.0528 mL	0.2642 mL	0.5285 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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